

Re-run

#7 PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/744,748

DATE: 08/31/2001
TIME: 15:48:44

Input Set : A:\es.txt
Output Set: N:\CRF3\08312001\I744748.raw

#7

3 <110> APPLICANT: KYOWA HAKKO KOGYO CO., LTD.
5 <120> TITLE OF INVENTION: NOVEL PEPTIDE
7 <130> FILE REFERENCE: H10-0981N2
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/744,748
C--> 9 <141> CURRENT FILING DATE: 2001-08-31

ENTERED

9 <150> PRIOR APPLICATION NUMBER: JPO98/213823
10 <151> PRIOR FILING DATE: 1998-07-29
12 <160> NUMBER OF SEQ ID NOS: 34
14 <170> SOFTWARE: PatentIn Ver. 2.0
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19 <213> ORGANISM: Mouse
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28 Thr Asn Ser Trp Val Phe Ser Pro Met Glu Ser Ala Ser Ser Val Leu
29 35 40 45
31 Lys Met Lys Asn Phe Phe Ser Thr Lys Thr Asp Tyr Phe Asn Glu Thr
32 50 55 60
34 Thr Ile Leu Val Trp Val Trp Pro Phe Gly Gln Thr Phe Asp Leu Thr
35 65 70 75 80
37 Ser Cys Gln Ala Met Phe Asn Ile Gln Gly Cys His Leu Thr Thr Asp
38 85 90 95
40 Arg Ser Leu Tyr Asn Lys Ser His Ala Val Leu Ile His His Arg Asp
41 100 105 110
43 Ile Ser Trp Asp Leu Thr Asn Leu Pro Gln Gln Ala Arg Pro Pro Phe
44 115 120 125
46 Gln Lys Trp Ile Trp Met Asn Leu Glu Ser Pro Thr His Thr Pro Gln
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49 Lys Ser Gly Ile Glu His Leu Phe Asn Leu Thr Leu Thr Tyr Arg Arg
50 145 150 155 160
52 Asp Ser Asp Ile Gln Val Pro Tyr Gly Phe Leu Thr Val Ser Thr Asn
53 165 170 175
55 Pro Phe Val Phe Glu Val Pro Ser Lys Glu Lys Leu Val Cys Trp Val
56 180 185 190
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59 195 200 205
61 Leu Ser Lys Ser Ile Glu Ile His Thr Tyr Gly Gln Ala Phe Gly Glu
62 210 215 220
64 Tyr Val Asn Asp Lys Asn Leu Ile Pro Thr Ile Ser Thr Cys Lys Phe
65 225 230 235 240
67 Tyr Leu Ser Phe Glu Asn Ser Ile His Lys Asp Tyr Ile Thr Glu Lys
68 245 250 255
70 Leu Tyr Asn Ala Phe Leu Ala Gly Ser Val Pro Val Val Leu Gly Pro

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73 Ser Arg Glu Asn Tyr Glu Asn Tyr Ile Pro Ala Asp Ser Phe Ile His
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76 Val Glu Asp Phe Asn Ser Pro Ser Glu Leu Ala Lys Tyr Leu Lys Glu
77          290          295          300
79 Val Asp Lys Asn Asn Lys Leu Tyr Leu Ser Tyr Phe Asn Trp Arg Lys
80 305          310          315          320
82 Asp Phe Thr Val Asn Leu Pro Arg Phe Trp Glu Ser His Ala Cys Leu
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104 Thr Asn Ser Trp Ile Phe Ser Pro Met Glu Ser Ala Ser Ser Val Leu
105          35          40          45
107 Lys Met Lys Asn Phe Phe Ser Thr Lys Thr Asp Tyr Phe Asn Glu Thr
108          50          55          60
110 Thr Ile Leu Val Trp Val Trp Pro Phe Gly Gln Thr Phe Asp Leu Thr
111 65          70          75          80
113 Ser Cys Gln Ala Met Phe Asn Ile Gln Gly Cys His Leu Thr Thr Asp
114          85          90          95
116 Arg Ser Leu Tyr Asn Lys Ser His Ala Val Leu Ile His His Arg Asp
117          100          105          110
119 Ile Ser Trp Asp Leu Thr Asn Leu Pro Gln Gln Ala Arg Pro Pro Phe
120          115          120          125
122 Gln Lys Trp Ile Trp Met Asn Leu Glu Ser Pro Thr His Thr Pro Gln
123          130          135          140
125 Lys Ser Gly Ile Glu His Leu Phe Asn Leu Thr Leu Thr Tyr Arg Arg
126 145          150          155          160
128 Asp Ser Asp Ile Gln Val Pro Tyr Gly Phe Leu Thr Val Ser Thr Asn
129          165          170          175
131 Pro Phe Val Phe Glu Val Pro Ser Lys Glu Lys Leu Val Cys Trp Val
132          180          185          190
134 Val Ser Asn Trp Asn Pro Glu His Ala Arg Val Lys Tyr Tyr Asn Glu
135          195          200          205
137 Leu Ser Lys Ser Ile Glu Ile His Thr Tyr Gly Gln Ala Phe Gly Glu
138          210          215          220
140 Tyr Val Asn Asp Lys Asn Leu Ile Pro Thr Ile Ser Ala Cys Lys Phe
141 225          230          235          240
143 Tyr Leu Ser Phe Glu Asn Ser Ile His Lys Asp Tyr Ile Thr Glu Lys

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144          245          250          255
146 Leu Tyr Asn Ala Phe Leu Ala Gly Ser Val Pro Val Val Leu Gly Pro
147          260          265          270
149 Ser Arg Glu Asn Tyr Glu Asn Tyr Ile Pro Ala Asp Ser Phe Ile His
150          275          280          285
152 Val Glu Asp Tyr Asn Ser Pro Ser Glu Leu Ala Lys Tyr Leu Lys Glu
153          290          295          300
155 Val Asp Lys Asn Asn Lys Leu Tyr Leu Ser Tyr Phe Asn Trp Arg Lys
156 305          310          315          320
158 Asp Phe Thr Val Asn Leu Pro Arg Phe Trp Glu Ser His Ala Cys Leu
159          325          330          335
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181 gtagttcagc actcatctct gctttccatg ctatgttctc tacactgaaa aatt atg 117
183 Met
184 1
186 aca tca aca tcc aaa ggc att ctt cgc cca ttt cta atc gtc tgc atc 165
188 Thr Ser Thr Ser Lys Gly Ile Leu Arg Pro Phe Leu Ile Val Cys Ile
189 5 10 15
191 atc ctg ggc tgc ttc atg gca tgt ctg ctc att tat atc aag ccc acc 213
193 Ile Leu Gly Cys Phe Met Ala Cys Leu Leu Ile Tyr Ile Lys Pro Thr
194 20 25 30
196 aac agc tgg gtc ttc agt cca atg gag tct gca agt tct gtg ctg aaa 261
198 Asn Ser Trp Val Phe Ser Pro Met Glu Ser Ala Ser Ser Val Leu Lys
199 35 40 45
201 atg aaa aat ttc ttc tcc aca aaa act gat tat ttt aac gaa act acc 309
203 Met Lys Asn Phe Phe Ser Thr Lys Thr Asp Tyr Phe Asn Glu Thr Thr
204 50 55 60 65
206 att ctg gtt tgg gta tgg cca ttt ggg cag acc ttt gac ctt aca tcc 357
208 Ile Leu Val Trp Val Trp Pro Phe Gly Gln Thr Phe Asp Leu Thr Ser
209 70 75 80
211 tgc caa gca atg ttc aat atc caa ggg tgc cat ctc aca aca gac cgc 405
213 Cys Gln Ala Met Phe Asn Ile Gln Gly Cys His Leu Thr Thr Asp Arg
214 85 90 95
216 tca ttg tac aac aaa tcc cat gcg gtc ctg att cac cat aga gac atc 453
218 Ser Leu Tyr Asn Lys Ser His Ala Val Leu Ile His His Arg Asp Ile
219 100 105 110
221 agc tgg gat ctg act aac tta cct cag cag gcc agg cca ccc ttt cag 501

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228 Lys Trp Ile Trp Met Asn Leu Glu Ser Pro Thr His Thr Pro Gln Lys
229 130      135      140      145
231 agt ggc att gaa cac ttg ttc aac ctg act cta act tat cgc cgt gat 597
233 Ser Gly Ile Glu His Leu Phe Asn Leu Thr Leu Thr Tyr Arg Arg Asp
234      150      155      160
236 tca gat atc caa gtg cct tat ggc ttc ttg acg gtg agc aca aat ccc 645
238 Ser Asp Ile Gln Val Pro Tyr Gly Phe Leu Thr Val Ser Thr Asn Pro
239      165      170      175
241 ttt gtg ttt gaa gtg cca agc aag gag aag ttg gtg tgc tgg gtt gtg 693
243 Phe Val Phe Glu Val Pro Ser Lys Glu Lys Leu Val Cys Trp Val Val
244      180      185      190
246 agt aac tgg aac cct gag cat gcc agg gtc aag tat tac aac gag ctc 741
248 Ser Asn Trp Asn Pro Glu His Ala Arg Val Lys Tyr Tyr Asn Glu Leu
249      195      200      205
251 agc aag agt att gaa atc cac acc tat ggc caa gca ttc gga gaa tac 789
253 Ser Lys Ser Ile Glu Ile His Thr Tyr Gly Gln Ala Phe Gly Glu Tyr
254 210      215      220      225
256 gtg aac gat aaa aat ctg att ccc acc ata tct act tgt aaa ttt tat 837
258 Val Asn Asp Lys Asn Leu Ile Pro Thr Ile Ser Thr Cys Lys Phe Tyr
259      230      235      240
261 ctt tca ttt gaa aac tca att cac aaa gat tac atc aca gaa aag ctc 885
263 Leu Ser Phe Glu Asn Ser Ile His Lys Asp Tyr Ile Thr Glu Lys Leu
264      245      250      255
266 tac aat gca ttt ttg gct ggt tca gta cct gtt gtc ctg ggt cca tct 933
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269      260      265      270
271 agg gaa aac tat gag aat tat att cca gct gat tca ttc att cat gtg 981
273 Arg Glu Asn Tyr Glu Asn Tyr Ile Pro Ala Asp Ser Phe Ile His Val
274      275      280      285
276 gaa gat ttt aac tct ccc agt gag tta gca aaa tat ctg aag gaa gtt 1029
278 Glu Asp Phe Asn Ser Pro Ser Glu Leu Ala Lys Tyr Leu Lys Glu Val
279 290      295      300      305
281 gac aaa aac aat aag ttg tac ctt agt tac ttt aac tgg aga aag gat 1077
283 Asp Lys Asn Asn Lys Leu Tyr Leu Ser Tyr Phe Asn Trp Arg Lys Asp
284      310      315      320
286 ttt act gta aac cta cca cgg ttt tgg gaa tca cat gca tgc ctg gca 1125
288 Phe Thr Val Asn Leu Pro Arg Phe Trp Glu Ser His Ala Cys Leu Ala
289      325      330      335
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293 Cys Asp His Val Lys Arg His Gln Glu Tyr Lys Ser Val Gly Asn Leu
294      340      345      350
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298 Glu Lys Trp Phe Trp Asn
299      355
301 gattaatgag acataattca agttttcagg ataagaagaa acacgctgca tttggggcac 1281
304 cgtttaattt tcctgccctc ccttgaggac catgtatat ttggtgaaat ttttaagaga 1341

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319 gattctagct tgtataatgc taacaaagaa gaattattga atcacttaat tcttaatctc 1641
322 tttgacttca aagttgaaca ctactgacaa ctgatatagat ttttacttgt accacatttg 1701
325 tgaaggggag ctaattgatg tagcaaatga gaaagatatg aagcagaaat gttattagac 1761
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337 tgaagataac cactatttta aaaataaata atttcctctt ataacaataa aaaaatgata 2001
340 tcttcaaata caaataaatg tataaattat accatttata gaacgctagt tacttcattc 2061
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365 ttggaaggaa acatctaagt tttctatgct agtttctgtc aaaatttcaa aatactttaa 180
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374 aaagaggcat gaatgccgaa gagaaaaaaa cttgaaaaaca cttttttctt taaaaaaaaa 360
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/744,748

DATE: 08/31/2001

TIME: 15:48:45

Input Set : A:\es.txt

Output Set: N:\CRF3\08312001\I744748.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

STATISTICS SUMMARY

PATENT APPLICATION: US/09/744,748

DATE: 08/31/2001

TIME: 15:48:45

Input Set : A:\es.txt

Output Set: N:\CRF3\08312001\I744748.raw

Application Serial Number: US/09/744,748

Alpha or Numeric: Numeric

Application Class:

Application File Date: 08-31-2001

Art Unit: PCT

Software Application: PatentIn

Total Number of Sequences: 34

Total Nucleotides: 13350

Total Amino Acids: 718

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)